



State of Alaska  
Department of Fish and Game  
Habitat and Restoration Division

Nomination for Waters  
Important to Anadromous Fish

Region

10

USGS Quad

Cordova (D-1), Alaska

Anadromous Water Catalog Number of Waterway

221-40-10760-3020

Name of Waterway

☐

USGS Name

☐

Local Name



Addition

☐

Deletion

☐

Correction



Backup Information

For Office Use

Nomination #

99 228

Revision Year:

Revision to:

Atlas

Catalog

Both

Revision Code:

F-1

Regional Supervisor

*Ed Wein*

AWC Project Biologist

Date

5/22/00

Date

Drafted

Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
CT	08/08/99		X	2	<input type="checkbox"/>
DV	08/08/99		X	2 fry, 10 juv	<input type="checkbox"/>
Co	11		X		<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**IMPORTANT:** Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

Name of Observer (please print):

Dirk W. Lang

Signature:

*Dirk W. Lang*

Date: 9/3/99

Address:

Cordova Ranger District  
Chugach National Forest

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist:

*Andrew G. Hoff*

Revision 3/97

ALASKA DEPT. OF  
FISH & GAME  
OCT 22 1999  
REGION II  
HABITAT AND RESTORATION  
DIVISION



# KNOWLES HEAD FISH DISTRIBUTION SURVEY FORM

Watershed: CRISH CREEK Crew: DL, DS, BC Date: 8/8/99

Aerial Photo: FLT // Stream: \_\_\_\_\_

Rainfall last 24 hrs: (L) M H None

Site ID#: ETC SC4 Priority: (1) 2

GPS at X-ing: 06V0532414 UTM 6734510

Downstream Ending GPS: \_\_\_\_\_ Upstream Ending GPS: \_\_\_\_\_

Barrier: Y (N) Barrier location from beginning site: UP Down

Barrier Location (GPS): \_\_\_\_\_

Type of Barrier: Bvr DD VF C/C B MM Other: \_\_\_\_\_

Fish Presence: (Y) N

Shock Time: 2650 Voltage Settings: 300 / 90 Hz

## Electroshocking Results

Species	CT	DV	CO	PK	CH	S
Life Stage		Fry	Fry			
Number	Juv	Juv	Juv			
	11	111111	1111			

Sculpin

111 Juvenile

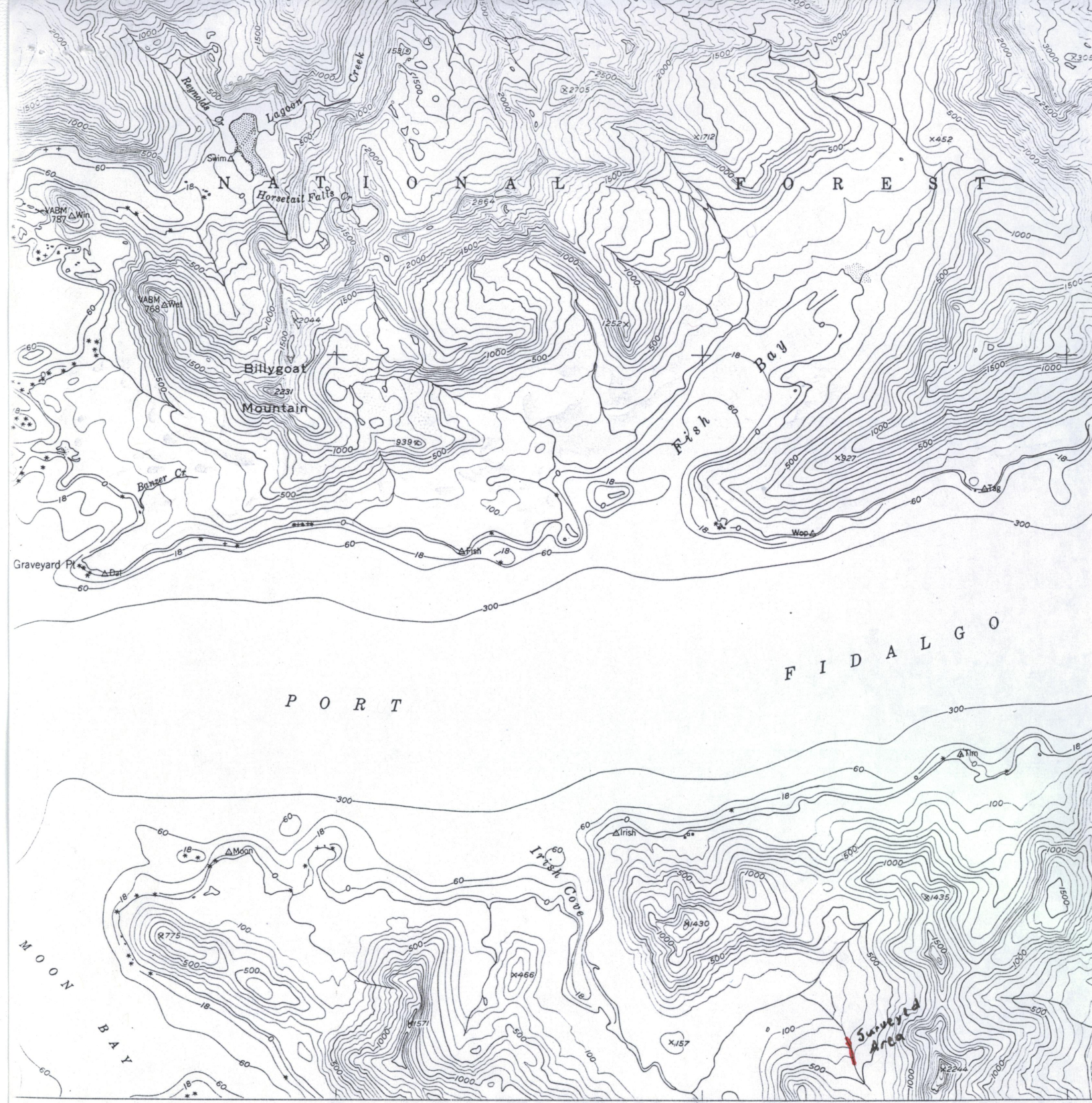
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## Comments:

Began shocking at crossing, shocked upstream for about 100 ft.  
 - 6ft BF width muskeg channel shallow incision  
 2-3% gradient silt cobble / lg gravel substrate  
 Simons. Good DV and cutthroat trout habitat. Juvenile Anadromous or Adult Resident fish is unknown.  
 Juvenile fish 2-3 inches.

Walked downstream approximately 200 ft until stream converges w/ main IC creek. OPinks present + spawning in main stem. Small stream fairly steep gradient to road crossing. Large gravel, cobble & substrate. Limited spawning. Anadromous fish present. Excellent juvenile coho rearing habitat. Fat, healthy coho mayflies abundant. Habitat extends past upper limit shocking section. No barriers.





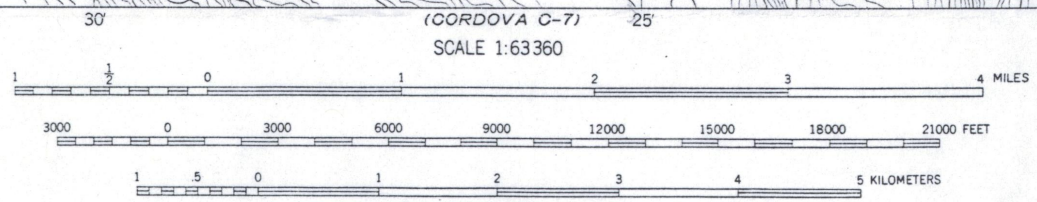
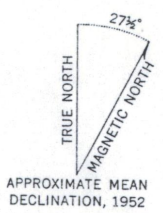
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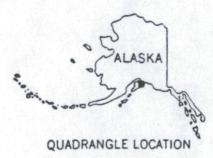
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blue



CONTOUR INTERVAL 100 FEET  
 DATUM IS MEAN SEA LEVEL  
 DEPTH CURVES IN FEET - DATUM IS MEAN LOWER LOW WATER  
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER  
 THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 10 FEET



FOR SALE BY U. S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

*Cordova (D-7), Alaska*